WATER PUMP

KEEP YOUR ENGINE AT THE RIGHT TEMPERATURE

PARTS & SERVICE

Genuine Parts

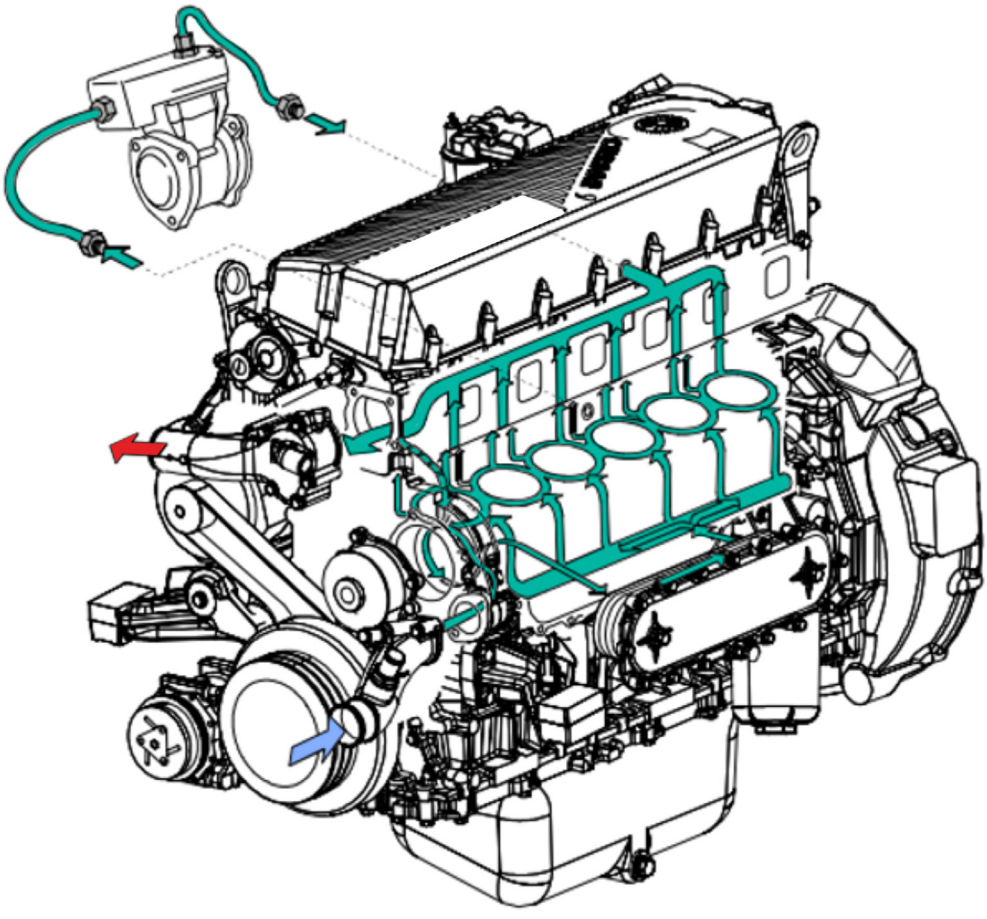
How a Water Pump Works

The water pump (or coolant pump), normally driven by the serpentine belt, sends coolant to the most important parts of the engine and allows the correct engine operating temperature to be maintained.

When the engine is started and its temperature is near ambient values, the water pump moves coolant around the engine only, thanks to another fundamental engine component: the thermostat.

During normal operation of the engine, however, the temperature of the coolant remains in equilibrium between its operating temperature and the maximum temperature permitted by the cooling system; when the temperature exceeds the threshold, the thermostat allows coolant to flow, lowering its temperature via the radiator.

If we imagine the cooling system to be like the human cardiovascular system, our hearts would be the equivalent of the coolant pump.



Coolant at thermostat outlet

Coolant circulating in the engine

Coolant at pump inlet

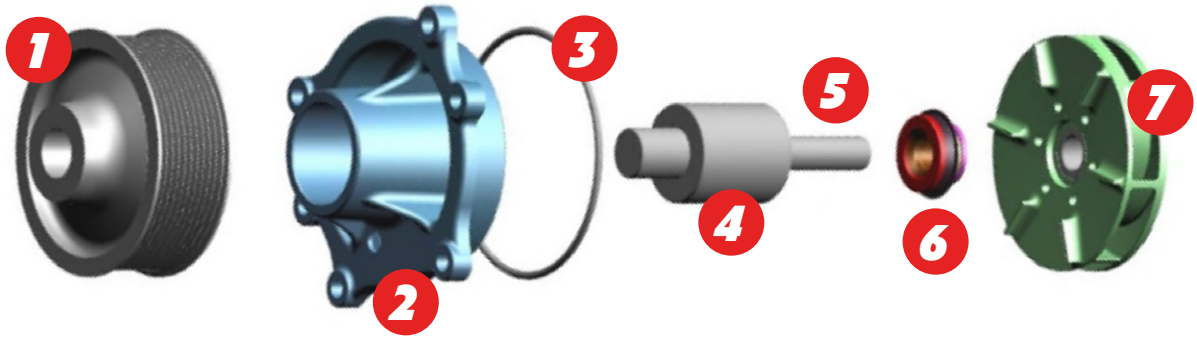
Original Water Pump Performance

The correct operation of the engine's water pump ensures that it maintains the correct temperature.

The correct engine temperature is required to prevent engine components subject to thermal stress being damaged, and to keep the operating temperature within a controlled range; this will maintain the correct oil viscosity and internal clearances of the moving parts, allowing for a reduction in friction and improved lubrication.

Using the engine within a controlled range of temperatures also leads to optimum efficiency of the engine systems, and therefore provides a significant contribution to keeping polluting emissions under control, as well as ensuring correct operation.





1 Drive pulley
3 Gasket
5 Shaft
2 Pump body
4 Bearing
6 Gasket
7 Impeller

Why choose an original FPT water pump?

All FPT spare parts are designed specifically to meet the specifications of the engine.

Using only the highest quality materials, it is possible to guarantee the highest levels of performance and efficiency.

Key reasons to choose an original FPT water pump.

- ***QUALITY AND EFFICIENCY GUARANTEED BY FPT***
- ***COMPONENT DESIGNED IN ACCORDANCE WITH FPT TECHNICAL SPECIFICATIONS***
- ***OFFERING WHICH COVERS THE ENTIRE RANGE OF FPT ENGINES MANUFACTURED***
- ***AVAILABILITY OF KITS INCLUDING WATER PUMP, DRIVE BELT AND BELT TENSIONER TO FACILITATE OPTIMIZED MAINTENANCE OF FPT ENGINES***
- ***TWELVE-MONTH WARRANTY ON ALL COMPONENTS***

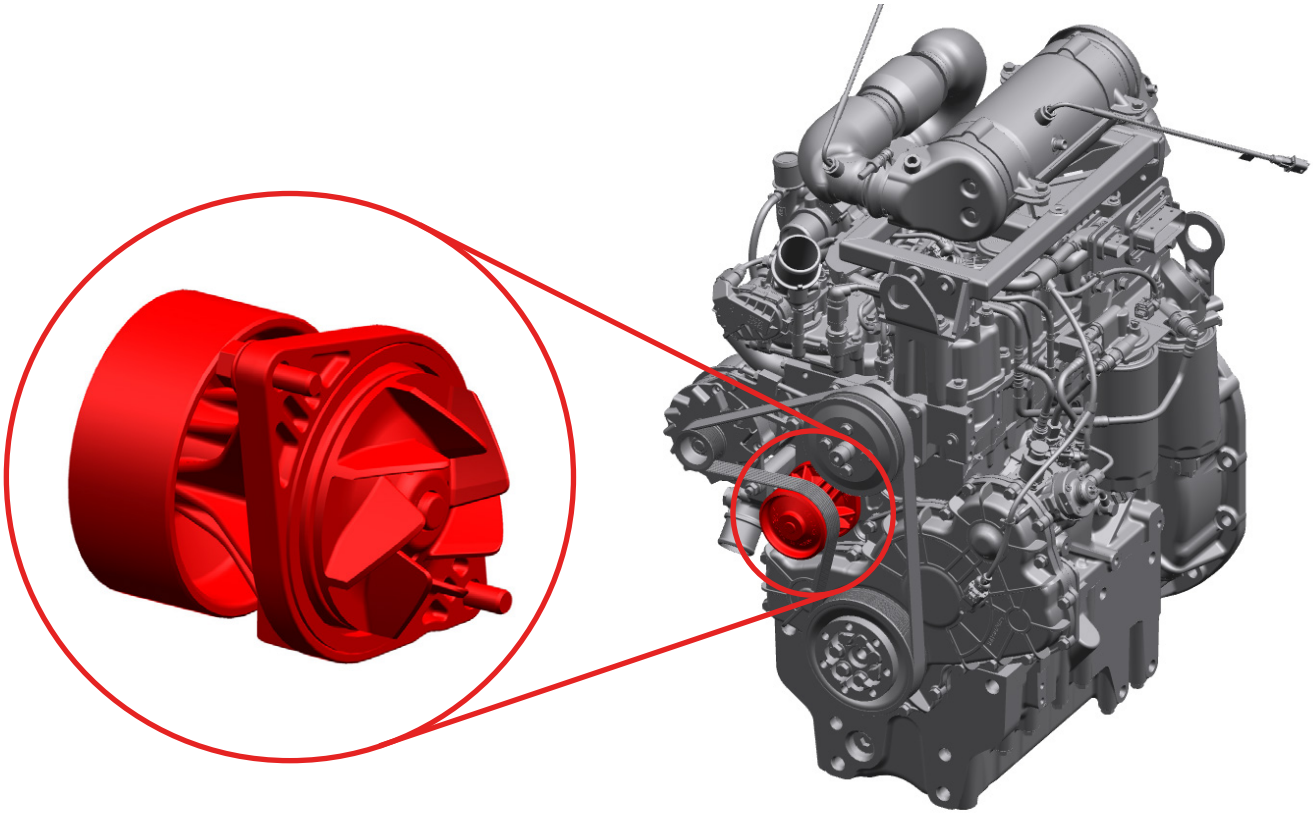
ORIGINAL FPT WATER PUMPS GUARANTEE A LONG SERVICE LIFE AND OPTIMUM PERFORMANCE TO ENSURE LONG-TERM SAVINGS.

Getting the most from your water pump

The water pump is designed to last the lifetime of the engine; nevertheless, it is recommended to monitor the entire system during periodic inspections which should be performed whenever the engine is serviced.

Maintenance Tips

SIGNS	WORK REQUIRED
CRACKS IN THE PUMP BODY WITH POTENTIAL COOLANT LEAKS	REPLACE THE COMPLETE PUMP, DO NOT ATTEMPT REPAIR
LOUD NOISE FROM WATER PUMP	CHECK THAT THE SERPENTINE BELT IS IN GOOD CONDITION AND CORRECTLY TENSIONED; IF THE BELT IS IN GOOD CONDITION, BREAKAGE OF THE PUMP BEARING IS POSSIBLE: REPLACE THE COMPLETE WATER PUMP
EXCESSIVE PLAY ON PUMP PULLEY	REPLACE THE WATER PUMP



Contact us

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